

## WEST Search History

DATE: Saturday, May 05, 2007

Hide?	<u>Set</u> <u>Name</u>	<u>Query</u>	<u>Hit</u> <u>Count</u>
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L8	L6 and (inert solvent or inert diluent)	3
<input type="checkbox"/>	L7	L6 and dodecylbenzenesulphonic acid	0
<input type="checkbox"/>	L6	L5 and hydrolyz\$3	3
<input type="checkbox"/>	L5	L3 and (sulphonic acid or sulfonic acid)	3
<input type="checkbox"/>	L4	L3 and (sulphonic acid or sulfonic acid)	3
<input type="checkbox"/>	L3	L2 not 11	14
<input type="checkbox"/>	L2	organohydrogensiloxane\$1 and cyclic organohydrogensiloxane\$1 same linear organohydrogensiloxane\$1	16
<input type="checkbox"/>	L1	organohydrogensiloxane\$1 same alkyl radical same aryl radical and water with hydrolyzate and cyclic organohydrogensiloxane\$1 same linear organohydrogensiloxane\$1	2

END OF SEARCH HISTORY

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**Search Results - Record(s) 1 through 3 of 3 returned.**

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☐ 1. Document ID: US 20020173613 A1

L8: Entry 1 of 3

File: PGPB

Nov 21, 2002

PGPUB-DOCUMENT-NUMBER: 20020173613

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020173613 A1

TITLE: Process for the production of linear organohydrogensiloxanes

PUBLICATION-DATE: November 21, 2002

## INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Tolentino, Luisito A.	Clifton Park	NY	US
Khanshab, Akber Ali	Schenectady	NY	US

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	COUNTRY	TYPE CODE
General Electric Company				2

APPL-NO: 09/825795 [PALM]

DATE FILED: April 4, 2001

INT-CL-PUBLISHED: [07] C08G 77/00

## INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS	C07 F 7/08	20060101
CIPS	C07 F 7/00	20060101

US-CL-PUBLISHED: 528/10

US-CL-CURRENT: 528/10

## ABSTRACT:

A process for preparing linear organohydrogensiloxanes. The process comprises contacting an organohydrogendichlorosilane in the presence of trimethylchlorosilane with water to form an M-stopped hydrolyzate. The hydrolyzate is optionally preheated prior to being contacted with an acidic rearrangement catalyst to effect formation of linear organohydrogensiloxanes. The linear organohydrogensiloxanes are separated from cyclic organohydrogensiloxanes and recovered. The cyclic organohydrogensiloxanes may then be recycled to the process for further contact

with the acidic rearrangement catalyst for maximum overall conversion rate.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 2. Document ID: US 6534614 B2

L8: Entry 2 of 3

File: USPT

Mar 18, 2003

US-PAT-NO: 6534614

DOCUMENT-IDENTIFIER: US 6534614 B2

TITLE: Process for the production of linear organohydrogensiloxanes

DATE-ISSUED: March 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tolentino; Luisito A.	Clifton Park	NY		
Khanshab; Akber Ali	Schenectady	NY		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
General Electric Company	Pittsfield	MA			02

APPL-NO: 09/825795 [PALM]

DATE FILED: April 4, 2001

INT-CL-ISSUED: [07] C08G 77/10

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS	<u>C07 F 7/08</u>	20060101
CIPS	<u>C07 F 7/00</u>	20060101

US-CL-ISSUED: 528/12; 526/68, 556/451, 556/469, 556/470, 528/12, 528/31, 528/33, 528/37, 528/23

US-CL-CURRENT: 528/12; 526/68, 528/23, 528/31, 528/33, 528/37, 556/451, 556/469, 556/470

FIELD-OF-CLASSIFICATION-SEARCH: 526/68, 556/451, 556/469, 556/470, 528/12, 528/31, 528/33, 528/37, 528/23

See application file for complete search history.

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<u>2491843</u>	December 1949	Wilcock	

<u>5396956</u>	March 1995	Cherewyk et al.
<u>5670596</u>	September 1997	Razzano et al.
<u>5698654</u>	December 1997	Nye et al.
<u>5753751</u>	May 1998	Liao et al.
<u>6143912</u>	November 2000	Lindner et al.

ART-UNIT: 1712

PRIMARY-EXAMINER: Moore; Margaret G.

ASSISTANT-EXAMINER: Peng; Kuo-Liang

ATTY-AGENT-FIRM: Wheelock; Kenneth S.

## ABSTRACT:

A process for preparing linear organohydrogensiloxanes. The process comprises contacting an organohydrogendichlorosilane in the presence of trimethylchlorosilane with water to form an M-stopped hydrolyzate. The hydrolyzate is optionally preheated prior to being contacted with an acidic rearrangement catalyst to effect formation of linear organohydrogensiloxanes. The linear organohydrogensiloxanes are separated from cyclic organohydrogensiloxanes and recovered. The cyclic organohydrogensiloxanes may then be recycled to the process for further contact with the acidic rearrangement catalyst for maximum overall conversion rate.

13 Claims, 0 Drawing figures

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KVMC	Draw D
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☐ 3. Document ID: US 6180811 B1

L8: Entry 3 of 3

File: USPT

Jan 30, 2001

US-PAT-NO: 6180811

DOCUMENT-IDENTIFIER: US 6180811 B1

TITLE: Reducing low molecular weight cyclic organosiloxanes in a recirculating process stream

DATE-ISSUED: January 30, 2001

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bramer; David Harold	Hanover	IN		
Wood; Larry Herbert	Campbellsburg	KY		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Dow Corning Corporation	Midland	MI			02

APPL-NO: 09/218245 [PALM]  
DATE FILED: December 22, 1998

INT-CL-ISSUED: [07] C07F 7/08

INT-CL-CURRENT:

TYPE IPC	DATE
CIPS <u>C07 F 7/21</u>	20060101
CIPS <u>C07 F 7/08</u>	20060101
CIPS <u>C07 F 7/00</u>	20060101
CIPS <u>C08 G 77/06</u>	20060101
CIPS <u>C08 G 77/00</u>	20060101

US-CL-ISSUED: 556/460; 556/462, 556/467  
US-CL-CURRENT: 556/460; 556/462, 556/467

FIELD-OF-CLASSIFICATION-SEARCH: 556/460, 556/462, 556/467  
See application file for complete search history.

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<u>3714213</u>	January 1973	Miller et al.	260/448.2
<u>4197251</u>	April 1980	Hirakawa et al.	556/460
<u>4895967</u>	January 1990	Crivello et al.	556/451
<u>5196559</u>	March 1993	Schulz, Jr. et al.	556/460
<u>5247116</u>	September 1993	Buese et al.	556/460
<u>5395956</u>	March 1995	Haines et al.	556/451

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	CLASS
0738732A2	October 1996	EP	

ART-UNIT: 161

PRIMARY-EXAMINER: Nazario-Gonzalez; Porfirio

ATTY-AGENT-FIRM: Fletcher; Melvin D.

ABSTRACT:

A process for continuously reducing the amount of cyclic organosiloxane in a recirculating process stream. The process comprises washing a process stream in a wash step to reduce chloride content of the process stream, distilling the process stream into a low-boiling fraction comprising low molecular weight cyclic

organosiloxanes and an inert solvent and a high-boiling fraction comprising linear organosiloxanes and high molecular weight cyclic organosiloxanes, and reequilibrating the overhead low-boiling fraction in the presence of a reequilibration catalyst to form a reequilibration mixture comprising high molecular weight cyclic organosiloxanes and the inert solvent, and recycling the reequilibration mixture to the wash step.

16 Claims, 0 Drawing figures

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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Term	Documents
INERT	739427
INERTS	4064
SOLVENT	1408687
SOLVENTS	632873
DILUENT	208651
DILUENTS	135096
(6 AND ((INERT ADJ DILUENT) OR (INERT ADJ SOLVENT))) . PGPB, USPT, USOC, EPAB, JPAB, DWPI.	3
(L6 AND (INERT SOLVENT OR INERT DILUENT)) . PGPB, USPT, USOC, EPAB, JPAB, DWPI.	3

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